

**IN THE UNITED STATES DISTRICT COURT
FOR THE DISTRICT OF DELAWARE**

Q3 NETWORKING LLC,

Plaintiff,

V.

**COMMSCOPE HOLDING COMPANY,
INC., COMMSCOPE, INC., ARRIS US
HOLDINGS, INC. and RUCKUS
WIRELESS, INC.,**

Defendants.

[illegible]

C.A. No. _____

JURY TRIAL DEMANDED

PLAINTIFF'S ORIGINAL COMPLAINT FOR PATENT INFRINGEMENT

Plaintiff Q3 Networking LLC (“Q3” or “Plaintiff”) files this Original Complaint against Defendants CommScope Holding Company, Inc., CommScope, Inc., Arris US Holdings, Inc., and Ruckus Wireless, Inc. (collectively, “Defendants”) for infringement of U.S. Patent Nos. 7,457,627 (“‘627 patent”) (**Exhibit A**); 7,609,677 (“‘677 patent”) (**Exhibit B**); 7,895,305 (“‘305 patent”) (**Exhibit C**); and 8,797,853 (“‘853 patent”) (**Exhibit D**) (collectively, “the patents-in-suit”).

THE PARTIES

1. Plaintiff is a Texas limited liability company with its principal place of business located at 5570 FM 423, Suite 250-2026, Frisco, Texas, 75034.
2. On information and belief, Defendant CommScope Holding Company, Inc. (“CommScope Holding”) is a Delaware corporation with its principal place of business at 1100 CommScope Place, SE, Hickory, North Carolina 28602.
3. On information and belief, Defendant CommScope, Inc. is a Delaware corporation with its principal place of business at 1100 CommScope Place, SE, Hickory, North Carolina

28602. On information and belief, CommScope, Inc. operates as a subsidiary of CommScope Holding.

4. On information and belief, Defendant Arris US Holdings, Inc. is a Delaware corporation with its principal place of business at 3871 Lakefield Dr., Suwanee, Georgia 30024. On information and belief, Arris US Holdings, Inc. operates as a subsidiary of CommScope Holding.

5. On information and belief, Defendant Ruckus Wireless, Inc. is a Delaware corporation with its principal place of business at 350 West Java Dr., Sunnyvale, California 94089. On information and belief, Ruckus Wireless, Inc. operates as a subsidiary of CommScope Holding.

JURISDICTION AND VENUE

6. This action arises under the patent laws of the United States, namely 35 U.S.C. §§ 271, 281, and 284-285, among others.

7. This Court has subject matter jurisdiction pursuant to 28 U.S.C. §§ 1331 and 1338(a).

8. Venue is proper in this judicial district pursuant to 28 U.S.C. 1400(b) because Defendants were formed under the laws of the State of Delaware and, therefore, reside in this District.

9. Defendants are subject to this Court's specific and general personal jurisdiction pursuant to due process due at least to its substantial business in this State and judicial district, including: (A) at least part of its infringing activities alleged herein; and (B) regularly doing or soliciting business, engaging in other persistent conduct, and/or deriving substantial revenue from goods sold and services provided to Delaware residents. Defendants have conducted and regularly conduct business within the United States and this District. Defendants have purposefully availed

themselves of the privileges of conducting business in the United States, and more specifically in Delaware and this District. Defendants have sought protection and benefit from the laws of the State of Delaware by forming under the laws of Delaware and placing infringing products into the stream of commerce through an established distribution channel with the awareness and/or intent that they will be purchased by consumers in this District.

10. On information and belief, Defendants have significant ties to, and presence in, this District, making venue in this judicial district both proper and convenient for this action.

COUNT I

(INFRINGEMENT OF U.S. PATENT NO. 7,457,627)

11. Plaintiff incorporates by reference the preceding paragraphs as if fully set forth herein.

12. Q3 is the assignee of the '627 patent, entitled "Transfer of information in a communication network with a verified QoS," with ownership of all substantial rights in the '627 patent, including the right to exclude others and to enforce, sue, and recover damages for past and future infringements.

13. The '627 patent is valid, enforceable, and was duly issued in full compliance with Title 35 of the United States Code. The '627 patent issued from U.S. Patent Application No. 10/471,456.

14. Defendants have and continue to directly and/or indirectly infringe (by inducing and contributing to infringement) one or more claims of the '627 patent in this judicial District and elsewhere in the United States.

15. Upon information and belief, Defendants develop and sell routers, access points, mesh-networks, controllers, network management servers, and other networking products.

16. Defendants directly infringes the '627 patent via 35 U.S.C. § 271(a) by making, offering for sale, selling, and/or importing routers and wireless access points that incorporate the fundamental technologies covered by one or more claims of the '627 patent. Examples of how Defendants' products infringe claim 1 of the '627 patent are shown in **Exhibit E**.

17. At a minimum, Defendants have known of the '627 patent and of its infringement of the same at least as early as the filing date of the complaint.

18. Upon information and belief, since at least the above-mentioned date when Defendants were on notice of its infringement, Defendants have actively induced, under U.S.C. § 271(b), consumers and end users that purchase its infringing products to directly infringe one or more claims of the '627 patent by testing and/or operating the products in accordance with Defendants' instructions contained in, for example, its user manuals. Since at least the notice provided on the above-mentioned date, Defendants do so with knowledge, or with willful blindness of the fact, that the induced acts constitute infringement of the '627 patent. Upon information and belief, Defendants intend to cause, and have taken affirmative steps to induce, infringement by the distributors, importers, and/or consumers by, *inter alia*, creating advertisements that promote the infringing use of the products, creating established distribution channels for the products into and within the United States, selling the products in conformity with U.S. laws and regulations, distributing or making available instructions or manuals for the products to purchasers and prospective buyers, and/or providing technical support, software fixes, or services for these products to these purchasers in the United States.

19. On information and belief, Defendants also contribute to infringement of the '627 patent by selling for importation into the United States, importing into the United States, and/or selling within the United States after importation the infringing products and the non-staple

constituent parts of those products, which are not suitable for substantial non-infringing use and which embody a material part of the invention described in the '627 patent. These products are known by Defendants to be especially made or especially adapted for use in the infringement of the '627 patent. Defendants also contribute to the infringement of the '627 patent by selling for importation into the United States, importing into the United States, and/or selling within the United States after importation components of the products, which are not suitable for substantial non-infringing use and which embody a material part of the invention described in the '627 patent. The products are known by Defendants to be especially made or especially adapted for use in the infringement of the '627 patent. Specifically, on information and belief, Defendants sell products with knowledge that the devices are used for infringement, to resellers, retailers, and end users. End users of those products directly infringe the '627 patent.

20. Q3 has been damaged as a result of Defendants' infringing conduct described in this Count. Defendants are, thus, liable to Q3 in an amount that adequately compensates for Q3's infringements, which, by law, cannot be less than a reasonable royalty, together with interest and costs as fixed by this Court under 35 U.S.C. § 284.

COUNT II

(INFRINGEMENT OF U.S. PATENT NO. 7,609,677)

21. Plaintiff incorporates by reference the preceding paragraphs as if fully set forth herein.

22. Q3 is the assignee of the '677 patent, entitled "Internet protocol based information transmission in a radio communication system," with ownership of all substantial rights in the '677 patent, including the right to exclude others and to enforce, sue, and recover damages for past and future infringements.

23. The '677 patent is valid, enforceable, and was duly issued in full compliance with Title 35 of the United States Code. The '677 patent issued from U.S. Patent Application No. 10/507,850.

24. Defendants have and continue to directly and/or indirectly infringe (by inducing or contributing to infringement) one or more claims of the '677 patent in this judicial District and elsewhere in the United States.

25. Upon information and belief, Defendants develop and sell routers, access points, mesh-networks, controllers, network management servers, and other networking products.

26. Defendants directly infringe the '677 patent via 35 U.S.C. § 271(a) by making, offering for sale, selling, and/or importing LAN controllers, routers, WiFi access points, Mesh Wi-Fi systems, and other wireless networking products that incorporate the fundamental technologies covered by one or more claims of the '677 patent. Examples of how Defendants' products infringe claim 1 of the '677 patent are shown in **Exhibit F**.

27. At a minimum, Defendants have known of the '677 patent and of its infringement of the same at least as early as the filing date of the complaint.

28. Upon information and belief, since at least the above-mentioned date when Defendants were on notice of its infringement, Defendants have actively induced, under U.S.C. § 271(b), consumers and end users that purchase its infringing products to directly infringe one or more claims of the '677 patent by testing and/or operating the products in accordance with Defendants' instructions contained in, for example, its user manuals. Since at least the notice provided on the above-mentioned date, Defendants do so with knowledge, or with willful blindness of the fact, that the induced acts constitute infringement of the '677 patent. Upon information and belief, Defendants intend to cause, and have taken affirmative steps to induce, infringement by the

distributors, importers, and/or consumers by, *inter alia*, creating advertisements that promote the infringing use of the products, creating established distribution channels for the products into and within the United States, selling the products in conformity with U.S. laws and regulations, distributing or making available instructions or manuals for the products to purchasers and prospective buyers, and/or providing technical support, software fixes, or services for these products to these purchasers in the United States.

29. On information and belief, Defendants also contribute to infringement of the '677 patent by selling for importation into the United States, importing into the United States, and/or selling within the United States after importation the infringing products and the non-staple constituent parts of those products, which are not suitable for substantial non-infringing use and which embody a material part of the invention described in the '677 patent. These products are known by Defendants to be especially made or especially adapted for use in the infringement of the '677 patent. Defendants also contribute to the infringement of the '677 patent by selling for importation into the United States, importing into the United States, and/or selling within the United States after importation components of the products, which are not suitable for substantial non-infringing use and which embody a material part of the invention described in the '677 patent. The products are known by Defendants to be especially made or especially adapted for use in the infringement of the '677 patent. Specifically, on information and belief, Defendants sell products with knowledge that the devices are used for infringement, to resellers, retailers, and end users. End users of those products directly infringe the '677 patent.

30. Q3 has been damaged as a result of Defendants' infringing conduct described in this Count. Defendants are, thus, liable to Q3 in an amount that adequately compensates for Q3's

infringements, which, by law, cannot be less than a reasonable royalty, together with interest and costs as fixed by this Court under 35 U.S.C. § 284.

COUNT III

(INFRINGEMENT OF U.S. PATENT NO. 7,895,305)

31. Plaintiff incorporates by reference the preceding paragraphs as if fully set forth herein.

32. Q3 is the assignee of the '305 patent, entitled "Web-based management engine and system," with ownership of all substantial rights in the '305 patent, including the right to exclude others and to enforce, sue, and recover damages for past and future infringements.

33. The '305 patent is valid, enforceable, and was duly issued in full compliance with Title 35 of the United States Code. The '305 patent issued from U.S. Patent Application No. 10/416,006.

34. Defendants have and continue to directly and/or indirectly infringe (by inducing or contributing to infringement) one or more claims of the '305 patent in this judicial District and elsewhere in the United States.

35. Upon information and belief, Defendants develop and sell routers, access points, mesh-networks, controllers, network management servers, and other networking products.

36. Defendants directly infringe the '305 patent via 35 U.S.C. § 271(a) by making, offering for sale, selling, and/or importing controllers and systems including one or more controller and one or more controller-managed network device (e.g., access point, router, switch) that incorporate the fundamental technologies covered by one or more claims of the '305 patent. Examples of how Defendants' products infringe claims 1 and 8 of the '305 patent are shown in **Exhibits G and H**.

37. At a minimum, Defendants have known of the '305 patent and of its infringement of the same at least as early as the filing date of the complaint.

38. Upon information and belief, since at least the above-mentioned date when Defendants were on notice of its infringement, Defendants have actively induced, under U.S.C. § 271(b), consumers and end users that purchase its infringing products to directly infringe one or more claims of the '305 patent by testing and/or operating the products in accordance with Defendants' instructions contained in, for example, its user manuals. Since at least the notice provided on the above-mentioned date, Defendants do so with knowledge, or with willful blindness of the fact, that the induced acts constitute infringement of the '305 patent. Upon information and belief, Defendants intend to cause, and have taken affirmative steps to induce, infringement by the distributors, importers, and/or consumers by, *inter alia*, creating advertisements that promote the infringing use of the products, creating established distribution channels for the products into and within the United States, selling the products in conformity with U.S. laws and regulations, distributing or making available instructions or manuals for the products to purchasers and prospective buyers, and/or providing technical support, software fixes, or services for these products to these purchasers in the United States.

39. On information and belief, Defendants also contribute to infringement of the '305 patent by selling for importation into the United States, importing into the United States, and/or selling within the United States after importation the infringing products and the non-staple constituent parts of those products, which are not suitable for substantial non-infringing use and which embody a material part of the invention described in the '305 patent. These products are known by Defendants to be especially made or especially adapted for use in the infringement of the '305 patent. Defendants also contribute to the infringement of the '305 patent by selling for

importation into the United States, importing into the United States, and/or selling within the United States after importation components of the products, which are not suitable for substantial non-infringing use and which embody a material part of the invention described in the '305 patent. The products are known by Defendants to be especially made or especially adapted for use in the infringement of the '305 patent. Specifically, on information and belief, Defendants sell products with knowledge that the devices are used for infringement, to resellers, retailers, and end users. End users of those products directly infringe the '305 patent.

40. Q3 has been damaged as a result of Defendants' infringing conduct described in this Count. Defendants are, thus, liable to Q3 in an amount that adequately compensates for Q3's infringements, which, by law, cannot be less than a reasonable royalty, together with interest and costs as fixed by this Court under 35 U.S.C. § 284.

COUNT IV

(INFRINGEMENT OF U.S. PATENT NO. 8,797,853)

41. Plaintiff incorporates by reference the preceding paragraphs as if fully set forth herein.

42. Q3 is the assignee of the '853 patent, entitled "System and method for checking the permissibility of a user of service," with ownership of all substantial rights in the '853 patent, including the right to exclude others and to enforce, sue, and recover damages for past and future infringements.

43. The '853 patent is valid, enforceable, and was duly issued in full compliance with Title 35 of the United States Code. The '853 patent issued from U.S. Patent Application No. 10/239,525.

44. Defendants have and continue to directly and/or indirectly infringe (by inducing or contributing to infringement) one or more claims of the '853 patent in this judicial District and elsewhere in the United States.

45. Upon information and belief, Defendants develop and sell routers, access points, mesh-networks, controllers, network management servers, and other networking products.

46. Defendants directly infringe the '853 patent via 35 U.S.C. § 271(a) by making, offering for sale, selling, and/or importing routers, access points, switches, controllers, bridges, and gateways, and other networking products that incorporate the fundamental technologies covered by one or more claims of the '853 patent. Examples of how Defendants' products infringe claim 1 of the '853 patent are shown in **Exhibits I and J**.

47. At a minimum, Defendants have known of the '853 patent and of its infringement of the same at least as early as the filing date of the complaint.

48. Upon information and belief, since at least the above-mentioned date when Defendants were on notice of its infringement, Defendants have actively induced, under U.S.C. § 271(b), consumers and end users that purchase its infringing products to directly infringe one or more claims of the '853 patent by testing and/or operating the products in accordance with Defendants' instructions contained in, for example, its user manuals. Since at least the notice provided on the above-mentioned date, Defendant's do so with knowledge, or with willful blindness of the fact, that the induced acts constitute infringement of the '853 patent. Upon information and belief, Defendants' intend to cause, and have taken affirmative steps to induce, infringement by the distributors, importers, and/or consumers by, *inter alia*, creating advertisements that promote the infringing use of the products, creating established distribution channels for the products into and within the United States, selling the products in conformity with

U.S. laws and regulations, distributing or making available instructions or manuals for the products to purchasers and prospective buyers, and/or providing technical support, software fixes, or services for these products to these purchasers in the United States.

49. On information and belief, Defendants also contribute to infringement of the '853 patent by selling for importation into the United States, importing into the United States, and/or selling within the United States after importation the infringing products and the non-staple constituent parts of those products, which are not suitable for substantial non-infringing use and which embody a material part of the invention described in the '853 patent. These products are known by Defendants to be especially made or especially adapted for use in the infringement of the '853 patent. Defendants also contribute to the infringement of the '853 patent by selling for importation into the United States, importing into the United States, and/or selling within the United States after importation components of the products, which are not suitable for substantial non-infringing use and which embody a material part of the invention described in the '853 patent. The products are known by Defendants to be especially made or especially adapted for use in the infringement of the '853 patent. Specifically, on information and belief, Defendants sell products with knowledge that the devices are used for infringement, to resellers, retailers, and end users. End users of those products directly infringe the '853 patent.

50. Q3 has been damaged as a result of Defendants' infringing conduct described in this Count. Defendant are, thus, liable to Q3 in an amount that adequately compensates for Q3's infringements, which, by law, cannot be less than a reasonable royalty, together with interest and costs as fixed by this Court under 35 U.S.C. § 284.

CONCLUSION

51. Plaintiff is entitled to recover from Defendants the damages sustained by Plaintiff as a result of Defendants' wrongful acts in an amount subject to proof at trial, which, by law, cannot be less than a reasonable royalty, together with interest and costs as fixed by this Court.

52. Plaintiff has incurred and will incur attorneys' fees, costs, and expenses in the prosecution of this action. The circumstances of this dispute may give rise to an exceptional case within the meaning of 35 U.S.C. § 285, and Plaintiff is entitled to recover its reasonable and necessary attorneys' fees, costs, and expenses.

JURY DEMAND

53. Plaintiff hereby requests a trial by jury pursuant to Rule 38 of the Federal Rules of Civil Procedure.

PRAYER FOR RELIEF

54. Plaintiff respectfully requests that the Court find in its favor and against Defendants, and that the Court grant Plaintiff the following relief:

- a. A judgment that Defendants have infringed the patents-in-suit as alleged herein, directly and/or indirectly by way of inducing infringement of such patents;
- b. A judgment for an accounting of all damages sustained by Plaintiff as a result of the acts of infringement by Defendants;
- c. A judgment and order requiring Defendants to pay Plaintiff damages under 35 U.S.C. § 284, including up to treble damages as provided by 35 U.S.C. § 284, and any royalties determined to be appropriate;
- d. A judgment and order requiring Defendants to pay Plaintiff pre-judgment and post-judgment interest on the damages awarded;

- e. A judgment and order finding this to be an exceptional case and requiring Defendants to pay the costs of this action (including all disbursements) and attorneys' fees as provided by 35 U.S.C. § 285; and
- f. Such other and further relief as the Court deems just and equitable.

Dated: September 21, 2020

Respectfully submitted,

Q3 NETWORKING LLC

/s/ Tracy L. Pearson

Tracy L. Pearson (DE Bar #5652)

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